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Cambridge IGCSE

Cambridge International Examinations
Cambridge International General Certificate of Secondary Education

CANDIDATE NAME

CENTRE NUMBER

CANDIDATE NUMBER

GEOGRAPHY **0460/23**

Paper 2 **May/June 2018**

1 hour 30 minutes

Candidates answer on the Question Paper.

Additional Materials: Ruler
Plain paper
Calculator
Protractor

1:25 000 Survey Map Extract is enclosed with this Question Paper.

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the spaces provided.
Write in dark blue or black pen.
You may use an HB pencil for any diagrams or graphs.
Do not use staples, paper clips, glue or correction fluid.
DO **NOT** WRITE IN ANY BARCODES.

Write your answer to each question in the space provided.
If additional space is required, you should use the lined pages at the end of this booklet. The question number(s) must be clearly shown.

Answer **all** questions.

The Insert contains Figure 4.1 and Figure 4.2 for Question 4.
The Survey Map Extract and the Insert are **not** required by the Examiner.
Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

At the end of the examination, fasten all your work securely together.
The number of marks is given in brackets [ ] at the end of each question or part question.

This syllabus is approved for use in England, Wales and Northern Ireland as a Cambridge International Level 1/Level 2 Certificate.

This document consists of **17** printed pages, **3** blank pages and **1** Insert.

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CAMBRIDGE International Examinations

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1 **(a)** Study the map extract, which is for Valestrandsfossen, Norway. The scale is 1:25 000. Fig. 1.1 shows some features in the east of the map extract.

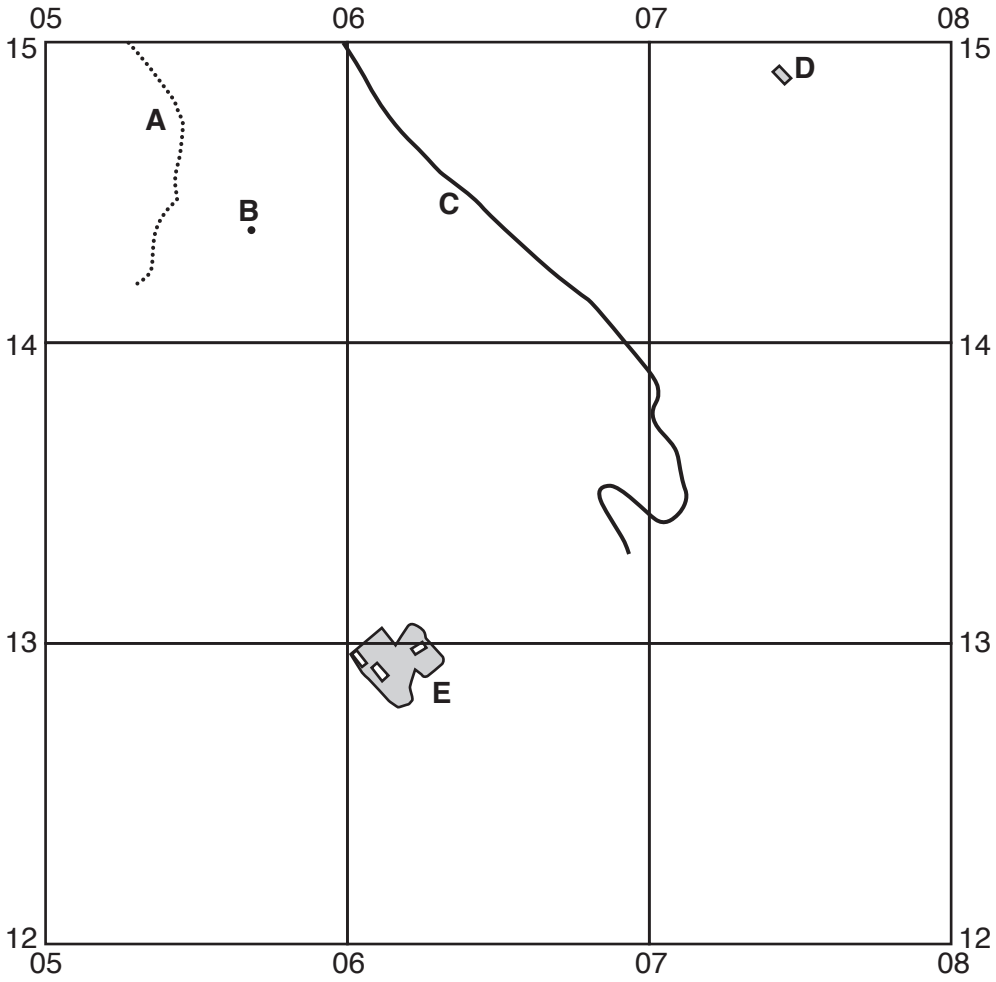

Fig. 1.1

Using the map extract, identify the following features shown on Fig. 1.1:

(i) feature **A**;

.....[1]

(ii) the height at the spot elevation **B**;

..... metres [1]

(iii) the type of road **C**;

.....[1]

(iv) the type of building at **D**;

.....[1]

(v) the land use at **E**.

.....[1]

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(b) Fig. 1.2 is a cross section along northing 11 from the coast at 039110 to 070110.

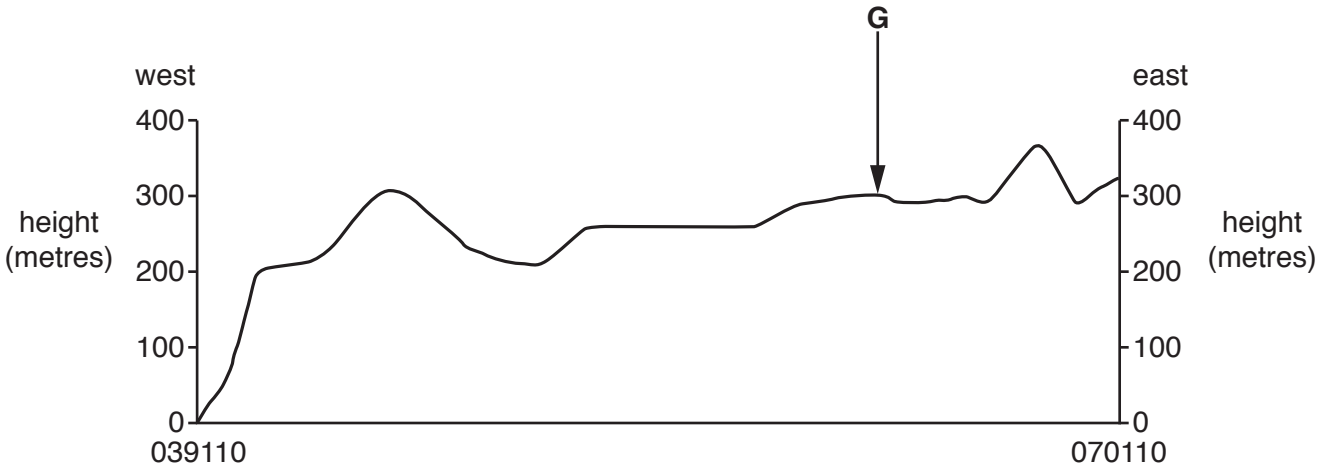

Fig. 1.2

(i) Identify the land use between **G**, labelled on the cross section, and the eastern edge of the cross section.

.....[1]

(ii) On Fig. 1.2 **show with a labelled arrow** the position of a private road. [1]

(iii) On Fig. 1.2 **show with a labelled arrow** the position of an unmarked footpath. [1]

(iv) On Fig. 1.2 **show with a labelled arrow** the position of the Daltveitelva river. [1]

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(c) Find the Daltveitelva river in the grid squares shown on Fig. 1.3.

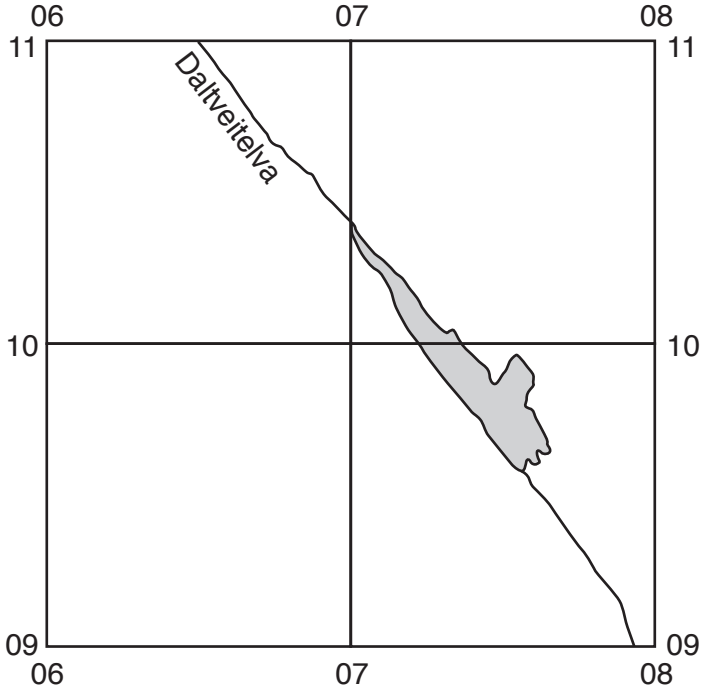

Fig. 1.3

(i) What is the direction of flow of the river? Tick **one** correct statement below.

	Tick (✓)
south west to north east	
north east to south west	
south east to north west	
north west to south east	

[1]

(ii) Using the map area shown in Fig. 1.3 **only**, give **one** reason for your answer to **(c)(i).**

.....

.....[1]

(d) Look at Fig. 1.4, which shows grid square 0115.

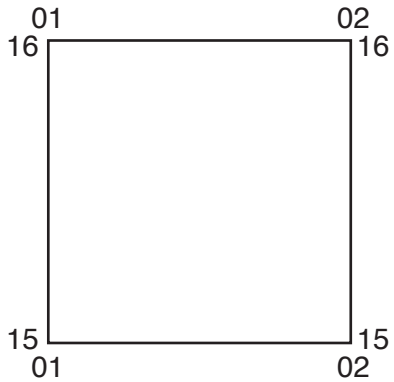

Fig. 1.4

Describe the relief and drainage of the land in grid square 0115.

relief .....

.....

.....

.....

.....

.....

.....

drainage .....

.....

.....

.....[5]

(e) **(i)** Find the ferry crossing from Breistein to Valestrandsfossen in the centre of the map. Measure the distance along the route of the ferry crossing. Give your answer in metres.

..... metres [1]

(ii) What is the six-figure grid reference of the start of the ferry crossing at Breistein? Tick **one** correct answer below.

	Tick (✓)
022114	
023114	
032124	
114022	
114023	

[2]

(iii) Measure the bearing **from** the start of the ferry crossing at Breistein **to** its end at Valestrandsfossen.

..... degrees. [1]

[Total: 20]

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2 Study Fig. 2.1, which shows the number of immigrants arriving in Spain in 2001 and in 2014.

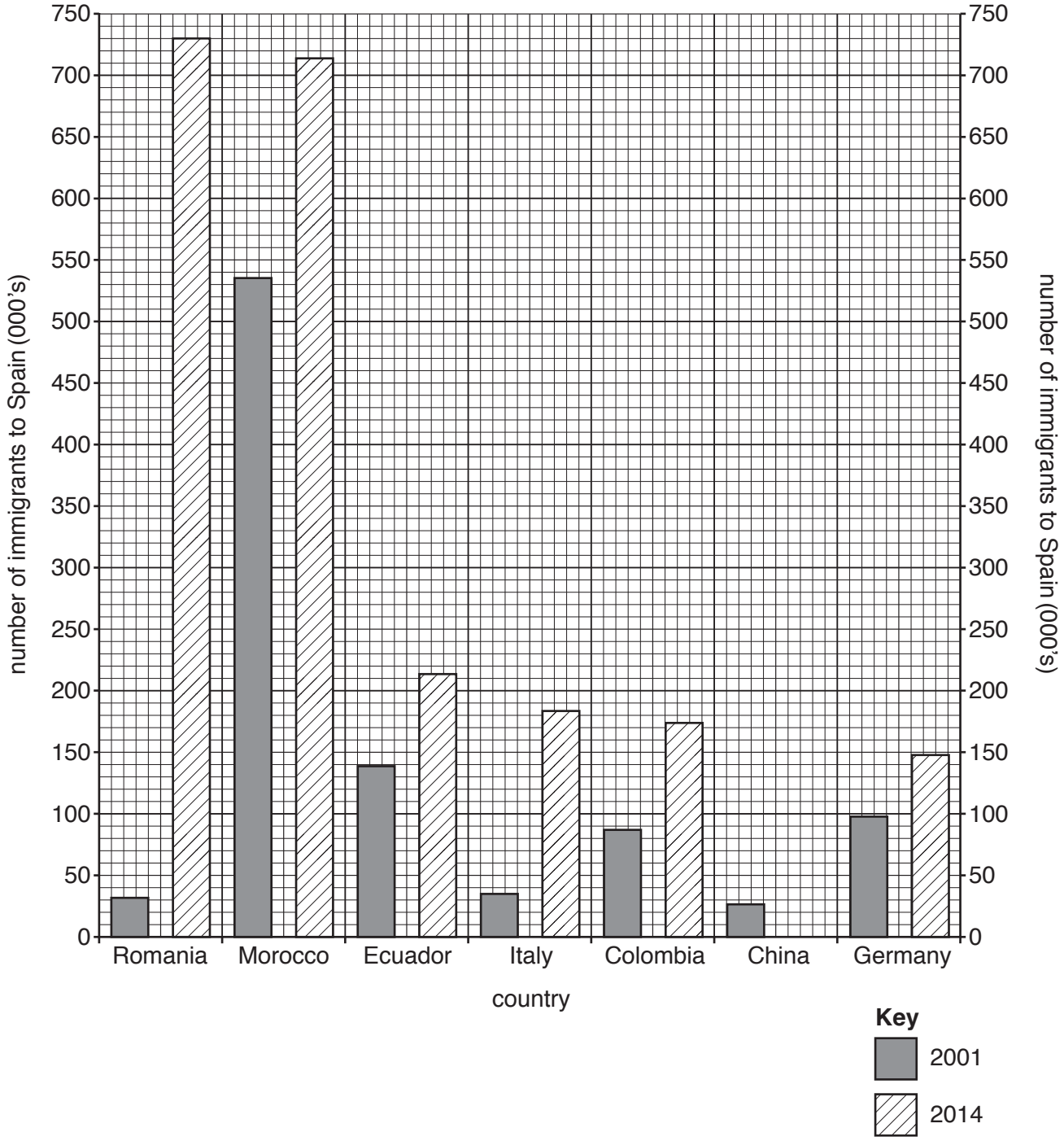

Fig. 2.1

(a) (i) **Complete the graph** by drawing a bar to show that 165 000 immigrants entered Spain from China in 2014. [1]

(ii) Identify the country with the largest number of immigrants to Spain in 2001.

.....[1]

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(iii) State the number of immigrants to Spain from Romania in 2014.

.....[1]

(iv) Calculate how many more immigrants entered Spain from Romania in 2014 than in 2001.

.....[1]

(b) Study Table 2.1, which gives information about the countries shown in Fig. 2.1.

Table 2.1

Country	Continent	Member of the EU and date of entry	Spanish as a main language	GNI* per person 2014 in US$
Spain	Europe	✓(1986)	✓	29940
Romania	Europe	✓(2007)		9370
Morocco	Africa			3020
Ecuador	South America		✓	6040
Italy	Europe	✓(1952)		34280
Colombia	South America		✓	7780
China	Asia			7380
Germany	Europe	✓(1952)		47640

EU = European Union (a group of countries which allows free movement of people)
* Gross National Income, GNI, a measure of wealth

(i) Using evidence from Table 2.1, suggest why many migrants moved from South America to Spain.

.....

.....

.....

.....[3]

(ii) State the evidence in Table 2.1 that explains the difference in the numbers of immigrants to Spain from Romania in 2014 from 2001.

.....

.....[1]

[Total: 8]

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3 Study Fig. 3.1, which shows part of Flevoland province in the Netherlands.

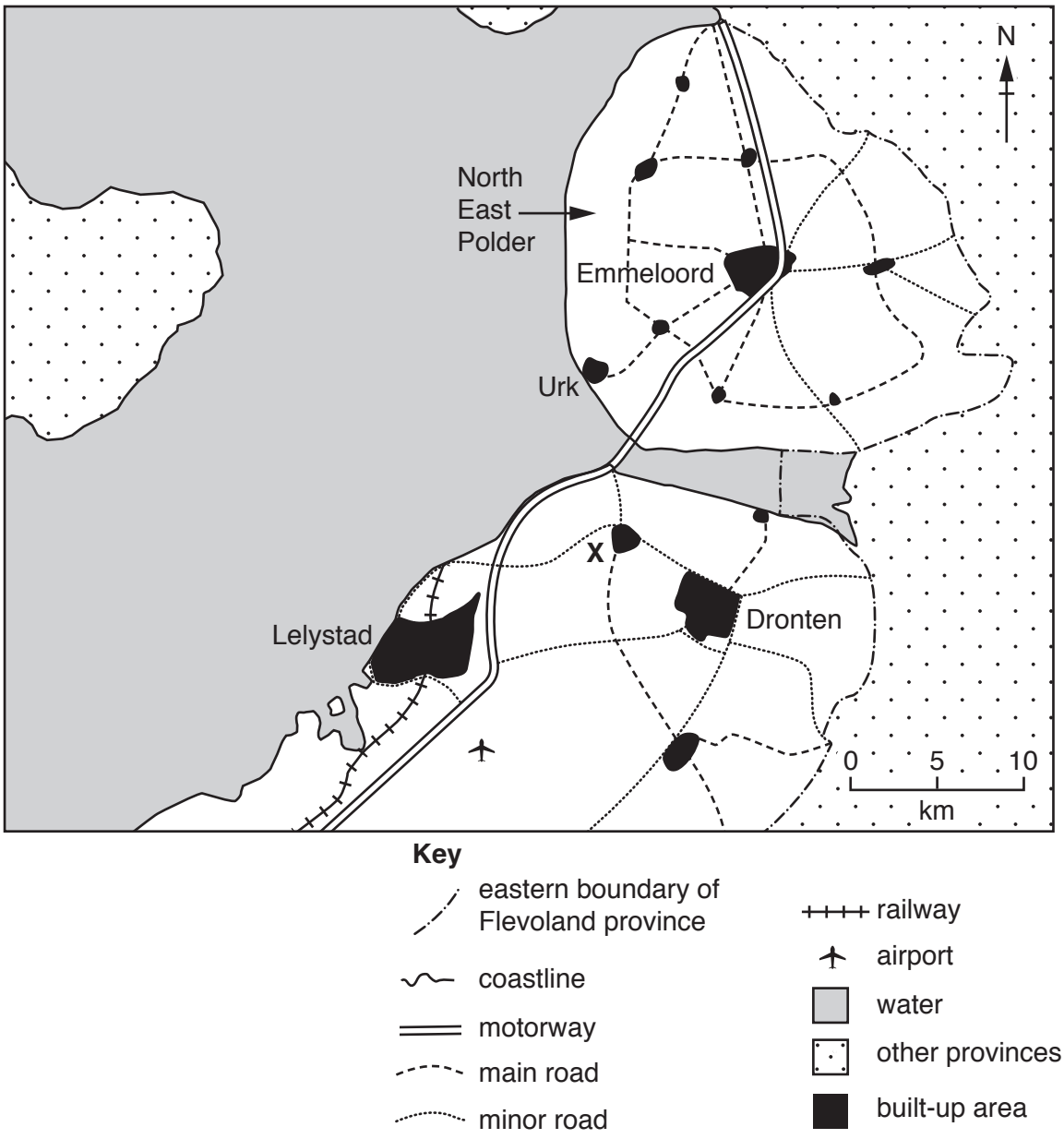

Fig. 3.1

(a) Complete the table below to show the hierarchy of settlements in the area shown on Fig. 3.1.

Settlement order	Settlement name	Number of settlements
highest	.....	1
middle	..... and	2
lowest		11

[3]

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(b) All land uses on the North East Polder were planned.

(i) Describe how the planners arranged the settlements on the North East Polder.

.....

.....[1]

(ii) Describe the road pattern on the North East Polder.

.....

.....

.....

.....[2]

(c) Use Fig. 3.1 to explain why Dronten has grown more rapidly than Emmeloord.

.....

.....[1]

(d) Suggest why residents in village **X** use shops and services in Lelystad even though Dronten is closer.

.....

.....[1]

[Total: 8]

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4 **(a)** **(i)** Study Fig. 4.1 (Insert), which is a photograph showing part of a coastline.

Name the features of coastal erosion shown in Fig. 4.1.

.....

.....

.....

.....[3]

(ii) Give **one** characteristic of the rock shown in Fig. 4.1 that causes it to be eroded.

.....

.....[1]

(b) **(i)** Study Fig. 4.2 (Insert), which is a photograph showing part of a different type of coastline.

Describe the beach shown in Fig. 4.2. Do not include the seaweed.

.....

.....

.....

.....[2]

(ii) Explain why the coastline in Fig. 4.2 has more deposition than the coastline in Fig. 4.1.

.....

.....

.....

.....[2]

[Total: 8]

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5 **(a)** Fig. 5.1 shows plate boundaries and the direction of movement of some plates.

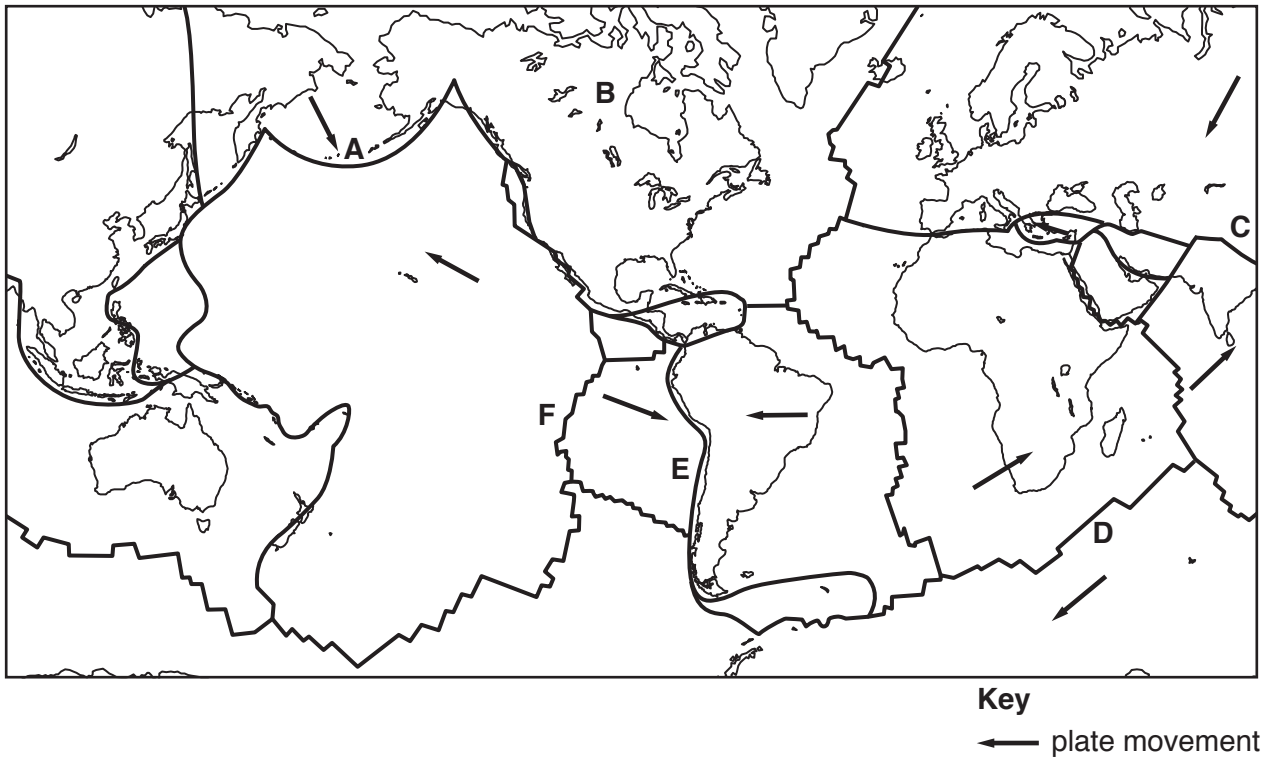

Fig. 5.1

Use Fig. 5.1 to complete the table by writing in the letter, chosen from **A** to **F**, that locates the description.

Description of location	Letter
an oceanic plate colliding with a continental plate	
an island arc formed by two oceanic plates colliding	
two continental plates colliding	
two plates moving apart	
major earthquakes are unlikely to occur here	

[5]

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(b) Study Fig. 5.2, which shows part of the Earth's crust. Using information from Fig. 5.2, answer the questions below.

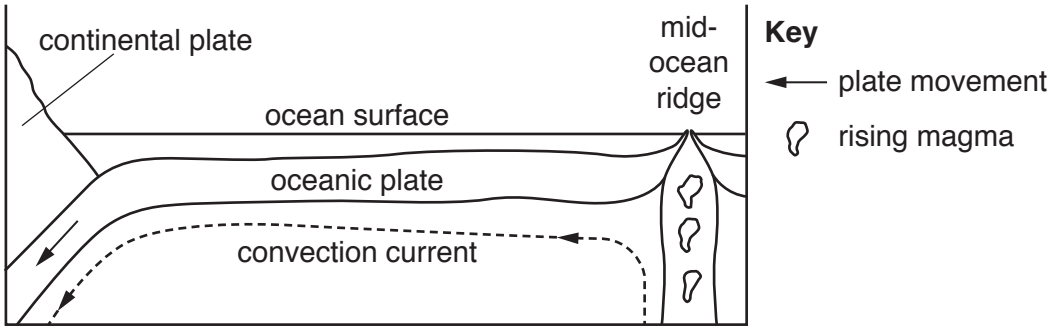

Fig. 5.2

(i) Suggest where new oceanic plate is formed.

.....

.....[1]

(ii) Suggest how new oceanic plate is formed.

.....

.....[1]

(iii) Suggest why oceanic plate moves.

.....

.....[1]

[Total: 8]

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6 Study Fig. 6.1, which shows countries in which Nestlé, a transnational corporation, has factories.

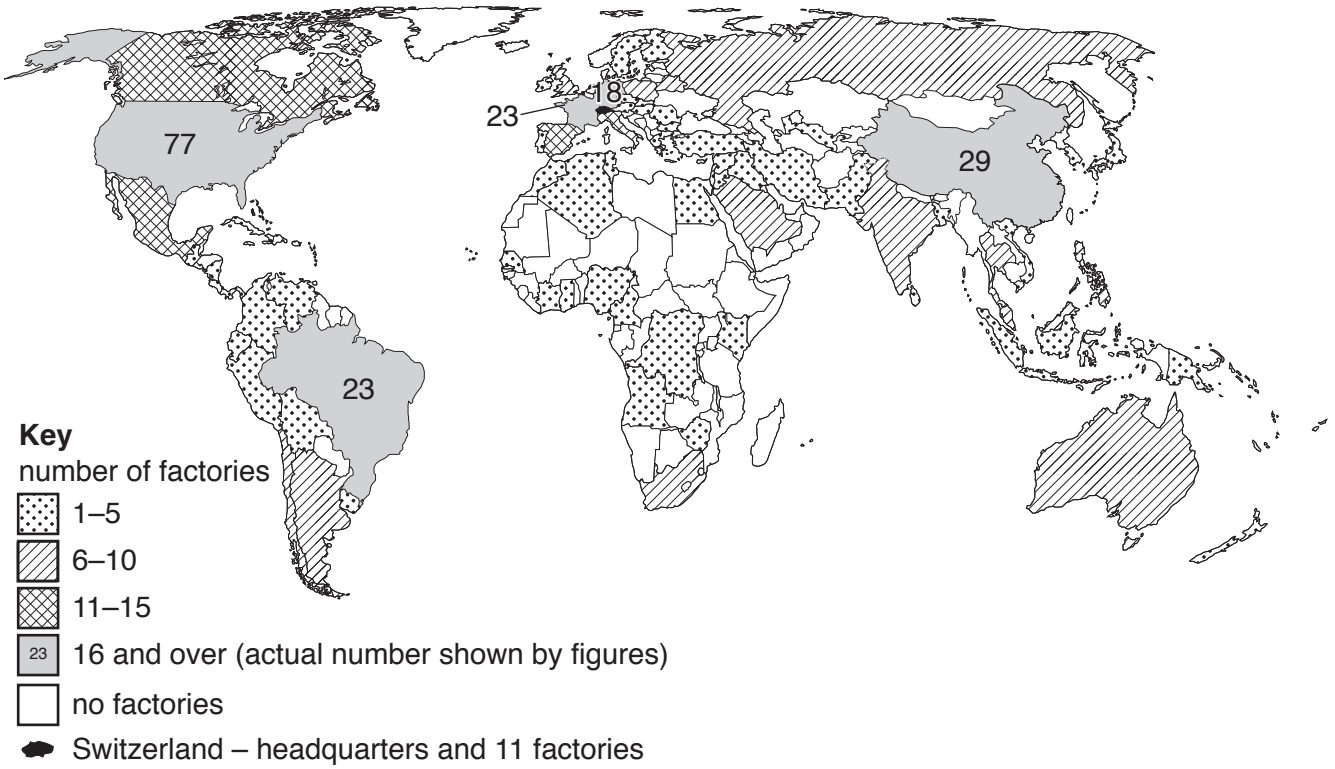

Fig. 6.1

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(a) Describe how Fig. 6.1 shows that Nestlé is typical of a transnational corporation.

.....

.....

.....

.....[2]

(b) **(i)** Suggest **three** advantages for a country of having a transnational corporation factory.

.....

.....

.....

.....

.....

.....[3]

(ii) Suggest **three** disadvantages for a country that a transnational corporation factory might cause.

.....

.....

.....

.....

.....

.....[3]

[Total: 8]

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Additional Pages

If you use the following lined pages to complete the answer(s) to any question(s), the question number(s) must be clearly shown.

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